

**S&E graduate enrollment, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
S&E .....	404,021	421,497	434,478	471,212	504,304	499,640	487,208	493,256	493,311	509,620	540,417	567,170	574,937	583,226
Engineering .....	96,018	103,983	104,065	113,535	116,872	107,201	101,148	101,691	104,112	109,493	119,668	127,377	123,566	120,473
Aerospace .....	2,538	3,015	3,524	4,120	3,940	3,343	3,083	3,349	3,407	3,451	3,685	4,048	4,089	4,170
Chemical .....	7,177	7,141	6,482	7,157	7,554	7,452	7,288	6,883	7,056	6,913	7,414	7,516	7,452	7,173
Civil .....	14,902	14,682	14,909	17,398	19,583	19,218	17,193	16,226	16,451	16,665	17,713	18,890	18,561	18,050
Electrical .....	28,203	31,399	33,257	35,111	35,290	30,861	30,787	31,822	33,611	36,100	39,948	41,763	38,995	37,444
Industrial .....	10,525	12,353	11,333	12,996	13,905	13,475	11,957	11,803	12,119	12,940	14,033	14,313	13,852	13,614
Materials .....	3,959	4,397	4,635	5,203	5,410	4,956	4,688	4,481	4,377	4,721	4,992	5,131	5,059	5,160
Mechanical .....	14,157	16,366	16,265	17,730	18,477	16,363	15,045	14,956	15,235	15,852	17,139	18,393	17,852	17,387
Other .....	14,557	14,630	13,660	13,820	12,713	11,533	11,107	12,171	11,856	12,851	14,744	17,323	17,706	17,475
Science .....	308,003	317,514	330,413	357,677	387,432	392,439	386,060	391,565	389,199	400,127	420,749	439,793	451,371	462,753
Natural sciences .....	197,318	203,637	210,734	225,574	244,098	249,363	246,849	254,854	255,406	263,978	279,369	292,453	299,574	305,495
Agricultural sciences .....	11,846	11,405	11,461	11,766	12,305	12,768	12,203	12,312	12,023	12,235	12,698	13,197	13,445	13,123
Biological sciences .....	45,709	46,317	48,449	51,365	55,950	58,344	56,705	56,959	56,282	57,639	61,088	64,701	66,548	68,449
Earth, atmospheric, and ocean sciences .....	15,414	14,357	13,630	14,466	15,721	15,716	14,548	14,083	13,941	13,841	14,240	14,620	15,131	14,827
Atmospheric sciences .....	964	952	912	968	1,112	1,072	1,092	913	963	924	1,036	1,150	1,086	1,146
Earth sciences .....	10,288	8,976	8,032	7,544	7,759	7,582	6,959	6,637	6,596	6,544	6,712	6,889	7,358	7,212
Oceanography .....	2,081	2,135	2,214	2,395	2,627	2,723	2,479	2,624	2,668	2,585	2,618	2,695	2,801	2,760
Other geosciences .....	2,081	2,294	2,472	3,559	4,223	4,339	4,018	3,909	3,714	3,788	3,874	3,886	3,886	3,709
Mathematics/computer sciences .....	47,332	50,559	51,729	54,633	56,213	51,962	52,710	58,735	63,000	68,847	73,432	73,161	69,947	68,256
Computer sciences .....	29,769	32,051	32,482	34,681	36,213	33,458	35,991	42,478	47,350	52,196	55,269	53,696	50,016	48,046
Mathematics/statistics .....	17,563	18,508	19,247	19,952	20,000	18,504	16,719	16,257	15,650	16,651	18,163	19,465	19,931	20,210
Medical/other life sciences .....	46,030	48,258	51,836	58,620	68,581	77,174	79,578	82,074	79,775	80,378	85,570	92,476	98,742	104,444
Medical sciences .....	13,276	14,256	14,914	16,702	19,224	20,659	20,895	23,479	22,815	24,012	26,841	29,440	29,807	31,410
Other life sciences .....	32,754	34,002	36,922	41,918	49,357	56,515	58,683	58,595	56,960	56,366	58,729	63,036	68,935	73,034
Physical sciences .....	30,987	32,741	33,629	34,724	35,328	33,399	31,105	30,691	30,385	31,038	32,341	34,298	35,761	36,396
Astronomy .....	671	719	789	829	880	912	778	832	888	916	990	1,080	1,119	1,191
Chemistry .....	18,305	18,827	18,828	19,407	20,131	19,570	18,774	18,416	18,105	18,366	19,045	20,049	20,776	21,122
Physics .....	11,672	12,807	13,657	14,081	13,841	12,425	11,147	10,869	10,841	11,248	11,701	12,555	13,298	13,472
Other physical sciences .....	339	388	355	407	476	492	406	574	551	508	605	614	568	611
Social/behavioral sciences .....	110,685	113,877	119,679	132,103	143,334	143,076	139,211	136,711	133,793	136,149	141,380	147,340	151,797	157,258
Psychology .....	40,721	42,612	45,528	51,343	54,557	53,641	53,126	51,727	50,466	50,467	51,165	52,211	54,218	57,412
Social sciences .....	69,964	71,265	74,151	80,760	88,777	89,435	86,085	84,984	83,327	85,682	90,215	95,129	97,579	99,846
Anthropology .....	5,631	5,835	6,128	6,731	7,361	7,693	7,560	7,633	7,626	7,491	7,481	7,789	7,826	7,706
Economics .....	14,698	14,201	14,415	15,071	15,629	15,011	13,140	12,576	12,827	13,569	14,196	14,634	14,513	13,923
History of science .....	272	294	304	337	369	401	443	557	532	571	663	737	994	965
Linguistics .....	3,055	3,282	3,286	3,425	3,321	3,194	3,068	2,799	2,674	2,744	2,875	3,028	2,941	3,187
Political science/public administration .....	26,621	27,429	29,194	31,707	35,076	34,298	32,083	31,372	31,131	31,805	34,934	36,880	39,270	41,106
Sociology .....	7,620	7,968	8,393	9,292	10,360	10,505	10,361	9,707	9,397	9,620	9,665	9,900	9,713	9,885
Other social sciences .....	12,067	12,256	12,431	14,197	16,661	18,333	19,430	20,340	19,140	19,882	20,401	22,161	22,322	23,074

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Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
U.S. citizen/permanent resident														
S&E.....	324,081	329,350	332,503	358,025	393,985	396,755	383,327	377,802	364,954	368,840	387,532	412,282	424,147	436,530
Engineering.....	67,187	70,594	67,365	72,181	77,577	71,717	64,642	60,188	56,711	56,971	61,362	67,393	66,456	66,638
Aerospace.....	1,729	2,144	2,431	2,892	2,739	2,157	1,765	1,817	1,894	1,805	1,999	2,361	2,401	2,528
Chemical.....	4,747	4,643	3,681	3,956	4,369	4,483	4,424	3,869	3,726	3,418	3,701	3,753	3,768	3,690
Civil.....	9,515	9,095	9,074	10,854	13,299	13,559	12,090	10,801	10,306	10,072	10,553	11,458	11,436	11,417
Electrical.....	19,760	21,282	22,109	22,297	22,839	19,585	18,032	16,517	15,315	15,534	16,579	18,118	16,878	16,706
Industrial.....	8,578	9,734	8,392	9,190	10,428	10,123	8,616	8,073	7,574	7,607	8,318	8,845	8,783	9,065
Materials.....	2,590	2,704	2,687	3,027	3,237	3,029	2,721	2,438	2,265	2,385	2,482	2,546	2,501	2,518
Mechanical.....	9,370	10,855	10,450	11,056	12,199	10,905	9,351	8,760	8,097	8,183	8,604	9,643	9,766	9,744
Other.....	10,898	10,137	8,541	8,909	8,467	7,876	7,643	7,913	7,534	7,967	9,126	10,669	10,923	10,970
Science.....	256,894	258,756	265,138	285,844	316,408	325,038	318,685	317,614	308,243	311,869	326,170	344,889	357,691	369,892
Natural sciences.....	161,021	160,976	162,407	171,451	190,145	198,753	196,206	198,867	193,036	195,259	205,709	218,925	227,424	233,716
Agricultural sciences.....	9,096	8,401	8,422	8,466	9,083	9,567	9,414	9,774	9,612	9,722	10,085	10,601	10,750	10,474
Biological sciences.....	38,961	37,768	37,795	39,001	43,175	46,276	45,641	45,770	44,521	45,205	47,262	49,865	50,755	52,047
Earth, atmospheric, and ocean sciences.....	13,549	12,167	11,055	11,569	12,713	12,769	12,033	11,563	11,249	11,059	11,472	11,845	12,344	12,066
Atmospheric sciences.....	755	713	663	658	815	806	801	639	659	639	730	869	819	863
Earth sciences.....	9,263	7,763	6,628	6,010	6,088	6,039	5,666	5,413	5,294	5,189	5,333	5,456	5,906	5,785
Oceanography.....	1,736	1,731	1,651	1,785	2,037	2,102	1,972	2,108	2,142	2,071	2,152	2,206	2,304	2,270
Other geosciences.....	1,795	1,960	2,113	3,116	3,773	3,822	3,594	3,403	3,154	3,160	3,257	3,314	3,315	3,148
Mathematics/computer sciences.....	34,490	35,653	35,352	36,375	38,170	35,358	34,249	35,653	34,681	36,309	39,342	41,477	40,846	40,369
Computer sciences.....	22,272	23,274	22,788	23,057	24,304	22,663	23,074	25,323	25,088	26,142	28,203	29,420	28,286	27,555
Mathematics/statistics.....	12,218	12,379	12,564	13,318	13,866	12,695	11,175	10,330	9,593	10,167	11,139	12,057	12,560	12,814
Medical/other life sciences.....	42,880	44,874	47,927	54,041	63,928	72,793	74,659	76,548	74,243	74,129	78,297	84,924	91,523	96,980
Medical sciences.....	11,002	11,769	12,051	13,305	15,827	17,522	17,440	19,646	19,090	19,784	21,773	24,212	24,982	26,553
Other life sciences.....	31,878	33,105	35,876	40,736	48,101	55,271	57,219	56,902	55,153	54,345	56,524	60,712	66,541	70,427
Physical sciences.....	22,045	22,113	21,856	21,999	23,076	21,990	20,210	19,559	18,730	18,835	19,251	20,213	21,206	21,780
Astronomy.....	517	537	625	612	663	680	593	593	617	633	687	747	749	828
Chemistry.....	13,934	13,528	12,721	12,509	13,456	13,156	12,662	12,331	11,883	11,797	11,792	12,210	12,685	12,905
Physics.....	7,278	7,692	8,188	8,511	8,557	7,745	6,608	6,140	5,757	5,991	6,259	6,744	7,280	7,506
Other physical sciences.....	316	356	322	367	400	409	347	495	473	414	513	512	492	541
Social/behavioral sciences.....	95,873	97,780	102,731	114,393	126,263	126,285	122,479	118,747	115,207	116,610	120,461	125,964	130,267	136,176
Psychology.....	39,229	41,073	43,897	49,355	52,676	51,554	51,118	49,488	48,203	47,946	48,308	49,099	51,045	54,384
Social sciences.....	56,644	56,707	58,834	65,038	73,587	74,731	71,361	69,259	67,004	68,664	72,153	76,865	79,222	81,792
Anthropology.....	5,090	5,173	5,365	5,907	6,561	6,999	6,858	6,810	6,797	6,722	6,634	6,967	6,966	6,861
Economics.....	9,234	8,493	8,182	8,589	9,204	8,624	6,837	6,118	6,006	6,233	6,530	6,920	6,938	6,590
History of science.....	217	251	264	286	314	355	376	498	463	501	595	668	925	886
Linguistics.....	1,983	2,179	2,109	2,166	2,260	2,197	2,086	1,837	1,714	1,782	1,893	2,065	1,936	2,257
Political science/public administration.....	23,446	23,712	25,648	28,099	31,545	30,920	28,657	27,453	26,972	27,582	30,280	32,003	34,318	36,234
Sociology.....	6,044	6,267	6,589	7,570	8,809	9,209	9,107	8,449	8,065	8,228	8,275	8,485	8,356	8,494
Other social sciences.....	10,630	10,632	10,677	12,421	14,894	16,427	17,440	18,094	16,987	17,616	17,946	19,757	19,783	20,470

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Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>White</b>														
S&E.....	259,332	266,111	269,670	288,765	309,131	304,438	286,607	275,325	261,112	260,380	270,034	283,276	288,866	292,510
Engineering.....	50,159	53,818	51,503	54,738	57,415	51,931	46,093	42,063	39,083	38,459	40,559	43,469	43,235	42,836
Aerospace.....	1,342	1,631	2,015	2,196	2,071	1,774	1,440	1,437	1,451	1,434	1,512	1,747	1,791	1,844
Chemical.....	3,883	3,844	3,107	3,157	3,407	3,429	3,365	2,805	2,627	2,417	2,565	2,554	2,666	2,561
Civil.....	7,327	7,066	7,337	8,684	10,415	10,434	9,208	8,088	7,759	7,492	7,707	8,333	8,270	8,139
Electrical.....	13,461	14,922	15,818	15,508	15,606	12,630	11,092	9,897	8,982	8,876	9,121	9,709	9,444	9,144
Industrial.....	7,055	8,021	6,731	7,275	7,681	7,262	6,391	5,761	5,329	5,255	5,668	5,680	5,484	5,632
Materials.....	2,108	2,276	2,226	2,533	2,575	2,402	2,019	1,935	1,751	1,839	1,882	1,909	1,815	1,859
Mechanical.....	7,159	7,984	7,633	8,416	9,029	8,059	6,979	6,491	6,005	5,932	6,254	6,883	6,998	6,898
Other.....	7,824	8,074	6,636	6,969	6,631	5,941	5,599	5,649	5,179	5,214	5,850	6,654	6,767	6,759
Science.....	209,173	212,293	218,167	234,027	251,716	252,507	240,514	233,262	222,029	221,921	229,475	239,807	245,631	249,674
Natural sciences.....	133,142	133,184	134,647	141,586	152,198	156,251	149,950	148,357	142,528	141,957	148,248	155,919	160,700	163,627
Agricultural sciences.....	8,062	7,627	7,460	7,628	7,977	8,233	7,990	8,383	8,152	8,147	8,486	8,799	8,936	8,662
Biological sciences.....	33,741	32,370	32,107	32,823	34,819	36,279	34,778	34,319	33,255	33,193	34,568	35,809	36,057	36,635
Earth, atmospheric, and ocean sciences.....	11,756	10,912	10,126	10,519	11,076	11,245	10,402	10,007	9,812	9,573	9,799	9,963	10,342	10,120
Atmospheric sciences.....	708	657	594	589	714	691	657	552	557	547	623	713	663	697
Earth sciences.....	7,912	7,081	6,109	5,492	5,365	5,388	4,989	4,796	4,720	4,603	4,639	4,691	5,111	5,010
Oceanography.....	1,507	1,431	1,473	1,556	1,711	1,825	1,699	1,815	1,872	1,769	1,845	1,871	1,933	1,896
Other geosciences.....	1,629	1,743	1,950	2,882	3,286	3,341	3,057	2,844	2,663	2,654	2,692	2,688	2,635	2,517
Mathematics/computer sciences.....	25,511	26,806	26,560	26,984	27,376	24,427	22,413	22,036	21,423	22,443	23,885	25,674	25,813	25,510
Computer sciences.....	15,724	17,156	16,496	16,527	16,804	14,773	14,062	14,377	14,468	15,057	15,962	17,260	16,954	16,595
Mathematics/statistics.....	9,787	9,650	10,064	10,457	10,572	9,654	8,351	7,659	6,955	7,386	7,923	8,414	8,859	8,915
Medical/other life sciences.....	35,744	37,370	40,065	45,218	52,359	58,581	58,600	58,575	55,543	54,353	56,890	60,567	63,827	66,373
Medical sciences.....	8,769	9,154	9,195	10,077	11,546	12,372	11,915	12,763	12,017	12,492	14,307	15,425	15,602	15,658
Other life sciences.....	26,975	28,216	30,870	35,141	40,813	46,209	46,685	45,812	43,526	41,861	42,583	45,142	48,225	50,715
Physical sciences.....	18,328	18,099	18,329	18,414	18,591	17,486	15,767	15,037	14,343	14,248	14,620	15,107	15,725	16,327
Astronomy.....	472	486	553	544	580	577	514	511	523	527	570	610	631	677
Chemistry.....	11,378	10,763	10,498	10,414	10,687	10,297	9,712	9,394	9,028	8,977	8,926	8,955	9,170	9,463
Physics.....	6,227	6,561	7,003	7,164	7,005	6,250	5,268	4,840	4,514	4,485	4,789	5,209	5,600	5,765
Other physical sciences.....	251	289	275	292	319	362	273	292	278	259	335	333	324	422
Social/behavioral sciences.....	76,031	79,109	83,520	92,441	99,518	96,256	90,564	84,905	79,501	79,964	81,227	83,888	84,931	86,047
Psychology.....	32,757	34,785	37,227	40,990	42,662	40,146	38,724	36,267	33,801	33,578	33,473	33,587	33,655	34,479
Social sciences.....	43,274	44,324	46,293	51,451	56,856	56,110	51,840	48,638	45,700	46,386	47,754	50,301	51,276	51,568
Anthropology.....	4,553	4,448	4,631	5,116	5,581	5,815	5,641	5,440	5,311	5,190	5,153	5,316	5,258	5,077
Economics.....	7,166	6,674	6,527	6,832	7,173	6,691	5,107	4,476	4,314	4,392	4,481	4,778	4,819	4,625
History of science.....	210	223	227	269	294	317	303	424	386	414	426	514	700	679
Linguistics.....	1,672	1,720	1,670	1,697	1,770	1,688	1,518	1,375	1,237	1,293	1,335	1,418	1,349	1,540
Political science/public administration.....	16,772	18,132	19,529	21,657	24,044	22,413	19,984	18,317	17,401	17,635	18,785	19,525	20,566	21,115
Sociology.....	4,796	4,833	5,233	5,944	6,552	6,673	6,446	5,796	5,445	5,590	5,549	5,602	5,535	5,560
Other social sciences.....	8,105	8,294	8,476	9,936	11,442	12,513	12,841	12,810	11,606	11,872	12,025	13,148	13,049	12,972

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Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>Asian/Pacific Islander</b>														
S&E.....	12,954	15,669	17,109	20,060	26,853	29,361	30,371	32,717	30,250	32,035	35,021	38,290	38,080	38,737
Engineering.....	4,805	5,850	6,020	7,111	8,996	9,018	8,133	8,161	7,274	8,007	9,384	10,770	9,784	9,667
Aerospace.....	84	109	143	196	224	177	153	153	206	138	186	207	212	251
Chemical.....	277	349	244	399	461	458	512	486	501	494	566	557	468	508
Civil.....	436	582	597	837	1,167	1,322	1,050	931	744	771	855	1,024	997	1,006
Electrical.....	1,966	2,453	2,703	3,021	3,746	3,712	3,489	3,491	3,119	3,454	4,079	4,606	3,823	3,788
Industrial.....	326	442	455	596	883	855	739	784	628	686	878	1,023	949	1,046
Materials.....	219	241	276	260	336	311	295	240	246	244	298	316	346	315
Mechanical.....	794	883	824	985	1,307	1,225	947	1,008	804	945	912	1,035	1,015	987
Other.....	703	791	778	817	872	958	948	1,068	1,026	1,275	1,610	2,002	1,974	1,766
Science.....	8,149	9,819	11,089	12,949	17,857	20,343	22,238	24,556	22,976	24,028	25,637	27,520	28,296	29,070
Natural sciences.....	6,159	7,383	8,442	9,920	13,532	15,402	16,879	19,161	17,843	18,634	19,726	20,956	21,452	21,857
Agricultural sciences.....	139	172	228	227	282	282	309	310	250	262	286	316	329	300
Biological sciences.....	1,440	1,642	1,972	2,333	3,433	4,298	4,479	4,476	4,246	4,710	4,835	5,158	5,300	5,461
Earth, atmospheric, and ocean sciences.....	194	179	207	267	462	419	417	400	351	341	355	363	436	415
Atmospheric sciences.....	25	37	45	28	55	69	56	41	41	26	31	54	59	58
Earth sciences.....	110	68	95	136	217	151	166	144	132	139	149	126	149	136
Oceanography.....	27	44	31	37	66	83	60	67	64	51	64	48	69	65
Other geosciences.....	32	30	36	66	124	116	135	148	114	125	111	135	159	156
Mathematics/computer sciences.....	2,491	3,235	3,430	3,729	4,577	5,164	5,677	7,146	6,280	6,412	7,137	7,131	6,453	6,090
Computer sciences.....	1,868	2,466	2,727	2,863	3,557	4,043	4,626	6,144	5,332	5,427	5,953	5,767	5,118	4,671
Mathematics/statistics.....	623	769	703	866	1,020	1,121	1,051	1,002	948	985	1,184	1,364	1,335	1,419
Medical/other life sciences.....	958	1,108	1,430	1,935	2,805	3,459	4,359	5,147	5,192	5,451	5,689	6,369	7,199	7,885
Medical sciences.....	451	555	655	965	1,458	1,729	2,074	2,490	2,437	2,495	2,506	2,881	3,210	3,532
Other life sciences.....	507	553	775	970	1,347	1,730	2,285	2,657	2,755	2,956	3,183	3,488	3,989	4,353
Physical sciences.....	937	1,047	1,175	1,429	1,973	1,780	1,638	1,682	1,524	1,458	1,424	1,619	1,735	1,706
Astronomy.....	6	14	36	30	24	30	39	31	33	36	44	53	38	46
Chemistry.....	660	715	680	820	1,186	1,122	1,106	1,133	1,079	983	950	1,103	1,170	1,135
Physics.....	265	304	452	557	732	611	467	490	393	422	405	431	502	503
Other physical sciences.....	6	14	7	22	31	17	26	28	19	17	25	32	25	22
Social/behavioral sciences.....	1,990	2,436	2,647	3,029	4,325	4,941	5,359	5,395	5,133	5,394	5,911	6,564	6,844	7,213
Psychology.....	559	727	817	1,040	1,470	1,598	1,909	2,038	2,063	2,176	2,186	2,376	2,447	2,569
Social sciences.....	1,431	1,709	1,830	1,989	2,855	3,343	3,450	3,357	3,070	3,218	3,725	4,188	4,397	4,644
Anthropology.....	53	98	109	117	172	208	236	256	260	253	252	283	294	305
Economics.....	314	414	427	424	639	646	601	650	506	524	623	694	663	636
History of science.....	3	10	15	7	12	14	21	20	20	21	28	29	48	36
Linguistics.....	45	109	83	91	139	179	212	148	106	154	183	215	176	247
Political science/public administration.....	676	651	710	810	1,025	1,227	1,264	1,163	1,206	1,225	1,489	1,622	1,803	1,975
Sociology.....	155	191	212	220	343	434	420	406	367	374	387	456	402	410
Other social sciences.....	185	236	274	320	525	635	696	714	605	667	763	889	1,011	1,035

**S&E graduate enrollment, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>Black</b>														
S&E.....	12,405	12,409	14,034	16,406	20,433	22,148	23,560	25,200	25,928	27,075	28,719	31,242	32,619	33,708
Engineering.....	1,387	1,416	1,616	2,025	2,561	2,857	2,879	2,965	2,977	2,915	3,074	3,212	3,399	3,470
Aerospace.....	24	25	27	44	56	51	35	52	57	45	51	59	68	73
Chemical.....	71	87	79	119	160	175	172	147	168	167	160	173	169	146
Civil.....	182	160	244	279	393	471	443	450	448	431	453	428	453	456
Electrical.....	455	422	564	669	864	821	874	886	830	812	846	812	850	843
Industrial.....	234	276	264	394	451	541	489	541	557	591	616	685	714	764
Materials.....	33	24	37	57	75	88	112	92	94	107	112	110	105	102
Mechanical.....	161	187	200	246	336	403	428	375	396	354	358	382	369	411
Other.....	227	235	201	217	226	307	326	422	427	408	478	563	671	675
Science.....	11,018	10,993	12,418	14,381	17,872	19,291	20,681	22,235	22,951	24,160	25,645	28,030	29,220	30,238
Natural sciences.....	4,966	5,009	5,663	6,633	8,233	8,998	9,724	10,650	10,849	11,695	12,584	14,100	14,976	15,511
Agricultural sciences.....	138	133	160	157	268	308	288	310	292	327	375	460	394	417
Biological sciences.....	1,181	1,053	1,203	1,296	1,701	1,871	2,105	2,218	2,241	2,351	2,479	2,757	2,893	2,980
Earth, atmospheric, and ocean sciences.....	127	93	95	140	223	215	203	213	220	227	266	270	261	262
Atmospheric sciences.....	7	2	7	6	13	18	12	7	18	19	25	32	36	30
Earth sciences.....	70	49	43	54	65	67	56	62	56	57	64	75	84	82
Oceanography.....	18	14	21	24	30	34	26	28	28	31	36	35	30	37
Other geosciences.....	32	28	24	56	115	96	109	116	118	120	141	128	111	113
Mathematics/computer sciences.....	1,031	1,210	1,311	1,617	1,877	1,844	1,957	2,079	2,084	2,299	2,524	2,606	2,498	2,482
Computer sciences.....	622	769	848	1,093	1,167	1,155	1,300	1,485	1,512	1,709	1,898	1,951	1,802	1,761
Mathematics/statistics.....	409	441	463	524	710	689	657	594	572	590	626	655	696	721
Medical/other life sciences.....	1,954	1,984	2,261	2,723	3,320	3,863	4,219	4,927	5,094	5,616	6,047	7,068	7,935	8,362
Medical sciences.....	509	558	568	818	1,034	1,179	1,239	1,728	1,780	1,829	1,955	2,402	2,444	2,652
Other life sciences.....	1,445	1,426	1,693	1,905	2,286	2,684	2,980	3,199	3,314	3,787	4,092	4,666	5,491	5,710
Physical sciences.....	535	536	633	700	844	897	952	903	918	875	893	939	995	1,008
Astronomy.....	6	6	6	11	12	11	11	9	9	12	10	9	10	10
Chemistry.....	381	374	440	477	594	624	667	633	650	631	636	663	713	694
Physics.....	121	136	173	189	211	248	245	234	235	211	220	236	248	272
Other physical sciences.....	27	20	14	23	27	14	29	27	24	21	27	31	24	32
Social/behavioral sciences.....	6,052	5,984	6,755	7,748	9,639	10,293	10,957	11,585	12,102	12,465	13,061	13,930	14,244	14,727
Psychology.....	1,790	1,794	2,061	2,455	3,284	3,359	3,644	3,749	4,214	4,347	4,491	4,692	5,001	5,251
Social sciences.....	4,262	4,190	4,694	5,293	6,355	6,934	7,313	7,836	7,888	8,118	8,570	9,238	9,243	9,476
Anthropology.....	95	101	116	132	176	215	254	291	270	274	248	276	272	277
Economics.....	392	379	359	365	482	468	389	375	397	390	405	441	434	384
History of science.....	2	5	3	5	4	8	8	14	14	16	24	25	30	42
Linguistics.....	119	142	151	145	63	51	45	49	44	47	44	49	47	64
Political science/public administration.....	2,143	2,133	2,500	2,831	3,258	3,552	3,699	4,097	4,073	4,264	4,632	4,849	4,968	5,000
Sociology.....	580	557	598	752	985	1,096	1,161	1,159	1,098	1,132	1,132	1,201	1,164	1,194
Other social sciences.....	931	873	967	1,063	1,387	1,544	1,757	1,851	1,992	1,995	2,085	2,397	2,328	2,515

**S&E graduate enrollment, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Hispanic														
S&E.....	10,138	10,533	11,205	13,053	16,050	17,237	18,154	20,322	21,327	22,329	24,282	26,687	28,126	29,457
Engineering.....	1,481	1,730	1,707	2,124	2,696	2,808	2,812	2,924	3,018	3,183	3,461	3,979	4,164	4,090
Aerospace.....	33	37	49	54	70	65	71	80	80	71	92	119	118	116
Chemical.....	107	117	111	159	181	202	142	182	182	180	206	249	249	240
Civil.....	251	263	275	383	550	593	694	701	776	747	778	846	898	896
Electrical.....	443	521	558	661	842	785	810	769	717	825	941	1,094	1,097	1,090
Industrial.....	254	286	242	257	337	386	396	426	439	469	477	562	629	579
Materials.....	37	49	53	56	76	102	86	75	84	80	79	98	99	106
Mechanical.....	181	282	214	338	382	422	360	388	366	407	450	537	566	575
Other.....	175	175	205	216	258	253	253	303	374	404	438	474	508	488
Science.....	8,657	8,803	9,498	10,929	13,354	14,429	15,342	17,398	18,309	19,146	20,821	22,708	23,962	25,367
Natural sciences.....	4,367	4,598	5,003	5,540	6,853	7,399	7,899	9,016	9,269	9,787	10,579	12,046	12,908	13,210
Agricultural sciences.....	322	222	299	279	309	292	411	422	440	425	406	490	524	506
Biological sciences.....	933	1,030	1,196	1,369	1,647	1,822	1,987	2,185	2,183	2,338	2,585	2,830	2,998	3,146
Earth, atmospheric, and ocean sciences.....	238	227	208	250	370	365	399	400	355	397	413	484	537	507
Atmospheric sciences.....	11	10	8	24	15	10	12	7	12	15	16	21	27	36
Earth sciences.....	105	99	109	116	160	152	161	154	136	155	163	187	217	206
Oceanography.....	98	90	68	59	102	99	116	132	113	137	131	158	161	150
Other geosciences.....	24	28	23	51	93	104	110	107	94	90	103	118	132	115
Mathematics/computer sciences.....	750	817	847	980	1,110	1,064	1,150	1,312	1,323	1,376	1,546	1,705	1,768	1,835
Computer sciences.....	488	551	542	631	695	664	723	865	863	894	1,004	1,101	1,143	1,202
Mathematics/statistics.....	262	266	305	349	415	400	427	447	460	482	542	604	625	633
Medical/other life sciences.....	1,525	1,711	1,772	2,013	2,670	3,125	3,170	3,802	4,124	4,355	4,648	5,443	5,849	5,976
Medical sciences.....	450	539	617	769	1,051	1,125	1,055	1,493	1,533	1,734	1,669	1,874	2,009	1,964
Other life sciences.....	1,075	1,172	1,155	1,244	1,619	2,000	2,115	2,309	2,591	2,621	2,979	3,569	3,840	4,012
Physical sciences.....	599	591	681	649	747	731	782	895	844	896	981	1,094	1,232	1,240
Astronomy.....	7	8	13	11	13	16	11	13	17	17	17	25	23	27
Chemistry.....	438	419	464	398	472	485	523	618	602	629	668	750	837	821
Physics.....	151	159	195	233	252	219	237	229	202	239	274	297	343	358
Other physical sciences.....	3	5	9	7	10	11	11	35	23	11	22	22	29	34
Social/behavioral sciences.....	4,290	4,205	4,495	5,389	6,501	7,030	7,443	8,382	9,040	9,359	10,242	10,662	11,054	12,157
Psychology.....	1,611	1,665	1,751	2,365	2,562	2,799	3,075	3,567	4,145	4,309	4,655	4,680	4,800	5,119
Social sciences.....	2,679	2,540	2,744	3,024	3,939	4,231	4,368	4,815	4,895	5,050	5,587	5,982	6,254	7,038
Anthropology.....	151	152	162	207	248	345	338	327	368	383	409	436	453	470
Economics.....	315	292	305	336	391	419	330	283	277	346	362	411	409	390
History of science.....	2	3	3	4	3	4	10	22	17	18	55	38	56	60
Linguistics.....	68	93	128	132	165	138	157	135	142	126	140	136	148	163
Political science/public administration.....	1,445	1,254	1,390	1,453	1,902	1,927	1,926	2,166	2,303	2,223	2,587	2,749	3,012	3,370
Sociology.....	231	249	276	353	485	531	625	674	634	636	686	709	693	718
Other social sciences.....	467	497	480	539	745	867	982	1,208	1,154	1,318	1,348	1,503	1,483	1,867

**S&E graduate enrollment, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>American Indian/Alaska Native</b>														
S&E.....	871	943	1,068	1,365	1,605	1,856	1,969	1,994	2,021	2,136	2,239	2,399	2,368	2,651
Engineering.....	122	123	122	184	209	230	239	242	208	227	244	304	278	429
Aerospace.....	2	5	5	5	8	8	3	8	8	8	11	15	16	13
Chemical.....	8	26	10	22	14	21	18	16	20	13	21	19	27	24
Civil.....	16	9	22	34	43	42	58	56	39	43	58	65	51	52
Electrical.....	30	18	37	38	43	51	46	47	37	45	39	63	54	54
Industrial.....	11	24	15	39	36	24	23	39	41	43	34	52	48	51
Materials.....	6	2	5	3	4	8	11	10	5	8	11	8	6	5
Mechanical.....	25	23	13	21	30	44	35	33	27	32	32	42	24	28
Other.....	24	16	15	22	31	32	45	33	31	35	38	40	52	202
Science.....	749	820	946	1,181	1,396	1,626	1,730	1,752	1,813	1,909	1,995	2,095	2,090	2,222
Natural sciences.....	381	420	462	559	716	859	884	932	905	992	1,062	1,104	1,112	1,162
Agricultural sciences.....	22	29	26	31	37	62	62	69	56	58	76	77	82	76
Biological sciences.....	88	90	84	129	155	203	197	186	189	205	210	236	249	278
Earth, atmospheric, and ocean sciences.....	23	18	26	29	45	52	82	63	61	70	81	63	67	61
Atmospheric sciences.....	0	0	0	0	2	4	2	2	3	4	4	5	4	3
Earth sciences.....	17	16	19	20	27	27	38	26	27	32	36	26	33	29
Oceanography.....	2	1	0	3	3	8	17	12	10	12	11	8	11	11
Other geosciences.....	4	1	7	6	13	13	25	23	21	22	30	24	19	18
Mathematics/computer sciences.....	79	76	74	63	102	126	103	104	105	125	107	129	131	138
Computer sciences.....	57	28	40	43	70	56	60	74	80	87	83	104	92	100
Mathematics/statistics.....	22	48	34	20	32	70	43	30	25	38	24	25	39	38
Medical/other life sciences.....	134	161	208	245	296	340	370	441	419	453	505	520	505	527
Medical sciences.....	39	37	61	65	65	82	98	125	113	124	138	167	134	135
Other life sciences.....	95	124	147	180	231	258	272	316	306	329	367	353	371	392
Physical sciences.....	35	46	44	62	81	76	70	69	75	81	83	79	78	82
Astronomy.....	1	1	0	2	3	3	1	2	1	0	2	3	3	5
Chemistry.....	25	29	25	43	54	43	50	53	61	62	58	51	54	53
Physics.....	9	16	19	15	22	30	18	13	12	19	22	24	18	20
Other physical sciences.....	0	0	0	2	2	0	1	1	1	0	1	1	3	4
Social/behavioral sciences.....	368	400	484	622	680	767	846	820	908	917	933	991	978	1,060
Psychology.....	135	152	180	252	289	330	341	300	360	334	320	324	324	334
Social sciences.....	233	248	304	370	391	437	505	520	548	583	613	667	654	726
Anthropology.....	21	36	53	68	79	103	103	105	109	102	89	99	106	123
Economics.....	17	19	70	57	23	26	19	20	24	25	32	38	56	42
History of science.....	0	0	0	0	0	1	1	2	2	2	2	5	7	5
Linguistics.....	8	13	10	7	3	9	7	15	13	13	12	16	17	17
Political science/public administration.....	108	98	91	114	139	140	155	177	175	192	217	241	219	251
Sociology.....	34	38	37	55	62	58	86	75	75	82	82	83	71	68
Other social sciences.....	45	44	43	69	85	100	134	126	150	167	179	185	178	220

**S&E graduate enrollment, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Other/unknown race/ethnicity														
S&E.....	28,381	23,685	19,417	18,376	19,913	21,715	22,666	22,244	24,316	24,885	27,237	30,388	34,088	39,467
Engineering.....	9,233	7,657	6,397	5,999	5,700	4,873	4,486	3,833	4,151	4,180	4,640	5,659	5,596	6,146
Aerospace.....	244	337	192	397	310	82	63	87	92	109	147	214	196	231
Chemical.....	401	220	130	100	146	198	215	233	228	147	183	201	189	211
Civil.....	1,303	1,015	599	637	731	697	637	575	540	588	702	762	767	868
Electrical.....	3,405	2,946	2,429	2,400	1,738	1,586	1,721	1,427	1,630	1,522	1,553	1,834	1,610	1,787
Industrial.....	698	685	685	629	1,040	1,055	578	522	580	563	645	843	959	993
Materials.....	187	112	90	118	171	118	198	86	85	107	100	105	130	131
Mechanical.....	1,050	1,496	1,566	1,050	1,115	752	602	465	499	513	598	764	794	845
Other.....	1,945	846	706	668	449	385	472	438	497	631	712	936	951	1,080
Science.....	19,148	16,028	13,020	12,377	14,213	16,842	18,180	18,411	20,165	20,705	22,597	24,729	28,492	33,321
Natural sciences.....	12,006	10,382	8,190	7,213	8,613	9,844	10,870	10,751	11,642	12,194	13,510	14,800	16,276	18,349
Agricultural sciences.....	413	218	249	144	210	390	354	280	422	503	456	459	485	513
Biological sciences.....	1,578	1,583	1,233	1,051	1,420	1,803	2,095	2,386	2,407	2,408	2,585	3,075	3,258	3,547
Earth, atmospheric, and ocean sciences.....	1,211	738	393	364	537	473	530	480	450	451	558	702	701	701
Atmospheric sciences.....	4	7	9	11	16	14	62	30	28	28	31	44	30	39
Earth sciences.....	1,049	450	253	192	254	254	256	231	223	203	282	351	312	322
Oceanography.....	84	151	58	106	125	53	54	54	55	71	65	86	100	111
Other geosciences.....	74	130	73	55	142	152	158	165	144	149	180	221	259	229
Mathematics/computer sciences.....	4,628	3,509	3,130	3,002	3,128	2,733	2,949	2,976	3,466	3,654	4,143	4,232	4,183	4,314
Computer sciences.....	3,513	2,304	2,135	1,900	2,011	1,972	2,303	2,378	2,833	2,968	3,303	3,237	3,177	3,226
Mathematics/statistics.....	1,115	1,205	995	1,102	1,117	761	646	598	633	686	840	995	1,006	1,088
Medical/other life sciences.....	2,565	2,540	2,191	1,907	2,478	3,425	3,941	3,656	3,871	3,901	4,518	4,957	6,208	7,857
Medical sciences.....	784	926	955	611	673	1,035	1,059	1,047	1,210	1,110	1,198	1,463	1,583	2,612
Other life sciences.....	1,781	1,614	1,236	1,296	1,805	2,390	2,882	2,609	2,661	2,791	3,320	3,494	4,625	5,245
Physical sciences.....	1,611	1,794	994	745	840	1,020	1,001	973	1,026	1,277	1,250	1,375	1,441	1,417
Astronomy.....	25	22	17	14	31	43	17	27	34	41	44	47	44	63
Chemistry.....	1,052	1,228	614	357	463	585	604	500	463	515	554	688	741	739
Physics.....	505	516	346	353	335	387	373	334	401	615	549	547	569	588
Other physical sciences.....	29	28	17	21	11	5	7	112	128	106	103	93	87	27
Social/behavioral sciences.....	7,142	5,646	4,830	5,164	5,600	6,998	7,310	7,660	8,523	8,511	9,087	9,929	12,216	14,972
Psychology.....	2,377	1,950	1,861	2,253	2,409	3,322	3,425	3,567	3,620	3,202	3,183	3,440	4,818	6,632
Social sciences.....	4,765	3,696	2,969	2,911	3,191	3,676	3,885	4,093	4,903	5,309	5,904	6,489	7,398	8,340
Anthropology.....	217	338	294	267	305	313	286	391	479	520	483	557	583	609
Economics.....	1,030	715	494	575	496	374	391	314	488	556	627	558	557	513
History of science.....	0	10	16	1	1	11	33	16	24	30	60	57	84	64
Linguistics.....	71	102	67	94	120	132	147	115	172	149	179	231	199	226
Political science/public administration.....	2,302	1,444	1,428	1,234	1,177	1,661	1,629	1,533	1,814	2,043	2,570	3,017	3,750	4,523
Sociology.....	248	399	233	246	382	417	369	339	446	414	439	434	491	544
Other social sciences.....	897	688	437	494	710	768	1,030	1,385	1,480	1,597	1,546	1,635	1,734	1,861



Appendix table 2-22

**S&E graduate enrollment, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, citizenship, and race/ethnicity	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>Temporary resident</b>														
S&E.....	79,940	92,147	101,975	113,187	110,319	102,885	103,881	115,454	128,357	140,780	152,885	154,888	150,790	146,696
Engineering.....	28,831	33,389	36,700	41,354	39,295	35,484	36,506	41,503	47,401	52,522	58,306	59,984	57,110	53,835
Aerospace.....	809	871	1,093	1,228	1,201	1,186	1,318	1,532	1,513	1,646	1,686	1,687	1,688	1,642
Chemical.....	2,430	2,498	2,801	3,201	3,185	2,969	2,864	3,014	3,330	3,495	3,713	3,763	3,684	3,483
Civil.....	5,387	5,587	5,835	6,544	6,284	5,659	5,103	5,425	6,145	6,593	7,160	7,432	7,125	6,633
Electrical.....	8,443	10,117	11,148	12,814	12,451	11,276	12,755	15,305	18,296	20,566	23,369	23,645	22,117	20,738
Industrial.....	1,947	2,619	2,941	3,806	3,477	3,352	3,341	3,730	4,545	5,333	5,715	5,468	5,069	4,549
Materials.....	1,369	1,693	1,948	2,176	2,173	1,927	1,967	2,043	2,112	2,336	2,510	2,585	2,558	2,642
Mechanical.....	4,787	5,511	5,815	6,674	6,278	5,458	5,694	6,196	7,138	7,669	8,535	8,750	8,086	7,643
Other.....	3,659	4,493	5,119	4,911	4,246	3,657	3,464	4,258	4,322	4,884	5,618	6,654	6,783	6,505
Science.....	51,109	58,758	65,275	71,833	71,024	67,401	67,375	73,951	80,956	88,258	94,579	94,904	93,680	92,861
Natural sciences.....	36,297	42,661	48,327	54,123	53,953	50,610	50,643	55,987	62,370	68,719	73,660	73,528	72,150	71,779
Agricultural sciences.....	2,750	3,004	3,039	3,300	3,222	3,201	2,789	2,538	2,411	2,513	2,613	2,596	2,695	2,649
Biological sciences.....	6,748	8,549	10,654	12,364	12,775	12,068	11,064	11,189	11,761	12,434	13,826	14,836	15,793	16,402
Earth, atmospheric, and ocean sciences.....	1,865	2,190	2,575	2,897	3,008	2,947	2,515	2,520	2,692	2,782	2,768	2,775	2,787	2,761
Atmospheric sciences.....	209	239	249	310	297	266	291	274	304	285	306	281	267	283
Earth sciences.....	1,025	1,213	1,404	1,534	1,671	1,543	1,293	1,224	1,302	1,355	1,379	1,433	1,452	1,427
Oceanography.....	345	404	563	610	590	621	507	516	526	514	466	489	497	490
Other geosciences.....	286	334	359	443	450	517	424	506	560	628	617	572	571	561
Mathematics/computer sciences.....	12,842	14,906	16,377	18,258	18,043	16,604	18,461	23,082	28,319	32,538	34,090	31,684	29,101	27,887
Computer sciences.....	7,497	8,777	9,694	11,624	11,909	10,795	12,917	17,155	22,262	26,054	27,066	24,276	21,730	20,491
Mathematics/statistics.....	5,345	6,129	6,683	6,634	6,134	5,809	5,544	5,927	6,057	6,484	7,024	7,408	7,371	7,396
Medical/other life sciences.....	3,150	3,384	3,909	4,579	4,653	4,381	4,919	5,526	5,532	6,249	7,273	7,552	7,219	7,464
Medical sciences.....	2,274	2,487	2,863	3,397	3,397	3,137	3,455	3,833	3,725	4,228	5,068	5,228	4,825	4,857
Other life sciences.....	876	897	1,046	1,182	1,256	1,244	1,464	1,693	1,807	2,021	2,205	2,324	2,394	2,607
Physical sciences.....	8,942	10,628	11,773	12,725	12,252	11,409	10,895	11,132	11,655	12,203	13,090	14,085	14,555	14,616
Astronomy.....	154	182	164	217	217	232	185	239	271	283	303	333	370	363
Chemistry.....	4,371	5,299	6,107	6,898	6,675	6,414	6,112	6,085	6,222	6,569	7,253	7,839	8,091	8,217
Physics.....	4,394	5,115	5,469	5,570	5,284	4,680	4,539	4,729	5,084	5,257	5,442	5,811	6,018	5,966
Other physical sciences.....	23	32	33	40	76	83	59	79	78	94	92	102	76	70
Social/behavioral sciences.....	14,812	16,097	16,948	17,710	17,071	16,791	16,732	17,964	18,586	19,539	20,919	21,376	21,530	21,082
Psychology.....	1,492	1,539	1,631	1,988	1,881	2,087	2,008	2,239	2,263	2,521	2,857	3,112	3,173	3,028
Social sciences.....	13,320	14,558	15,317	15,722	15,190	14,704	14,724	15,725	16,323	17,018	18,062	18,264	18,357	18,054
Anthropology.....	541	662	763	824	800	694	702	823	829	769	847	822	860	845
Economics.....	5,464	5,708	6,233	6,482	6,425	6,387	6,303	6,458	6,821	7,336	7,666	7,714	7,575	7,333
History of science.....	55	43	40	51	55	46	67	59	69	70	68	69	69	79
Linguistics.....	1,072	1,103	1,177	1,259	1,061	997	982	962	960	962	982	963	1,005	930
Political science/public administration.....	3,175	3,717	3,546	3,608	3,531	3,378	3,426	3,919	4,159	4,223	4,654	4,877	4,952	4,872
Sociology.....	1,576	1,701	1,804	1,722	1,551	1,296	1,254	1,258	1,332	1,392	1,390	1,415	1,357	1,391
Other social sciences.....	1,437	1,624	1,754	1,776	1,767	1,906	1,990	2,246	2,153	2,266	2,455	2,404	2,539	2,604

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.